

Notice of Allowability

Application No.

10/747,945

Applicant(s)

PARK, SE WOONG

Examiner

DANIEL M. PASIEWICZ

Art Unit

2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the RCE filed 2/19/2010.
2. ☒ The allowed claim(s) is/are 1-4,6-12,20 and 22-25 (now renumbered 1-16 respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Carol Druzbeck on 3/3/2010.

3. The application has been amended as follows:

4. Please **REPLACE** claim 1 with:

An iris recognition camera, comprising:

a driving barrel configured to support a single alignment of at least two lenses configured to serve as a wide-angle lens at all times, wherein the at least two lenses are respectively fixed to a predetermined position of the driving barrel so that intervals between all lenses in the single alignment of the at least two lenses are immutable;

a moving device comprising a single drive motor configured to reciprocatingly move the driving barrel to perform both focus and zoom operations at the same time;
and

a position sensor attached to a casing of the iris recognition camera that is configured to detect a position of the driving barrel within the camera and configured to detect a user of the iris recognition camera.

5. Please **REPLACE** claim 20 with:

A method of operation for an iris recognition camera, comprising:

detecting a user;

moving via a moving device comprising a single drive motor a camera lens of the iris recognition camera to an initial position detected by a position sensor, that is attached to a casing of the iris recognition camera, after the position sensor detects the user;

thereafter reciprocatingly moving via the moving device comprising the single drive motor the camera lens to perform both focus and zoom operations from the initial position to an image pickup location where a user's iris can be captured, wherein the camera lens includes at least two lenses which are fixed respectively to a predetermined position of a driving barrel so that intervals of all lenses of the at least two lenses are immutable; and

performing the image pickup using an image pickup device.

6. END EXAMINERS AMENDMENT

Allowable Subject Matter

7. The following is an examiner's statement of reasons for allowance:

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8. With respect to **claims 1 and 20** the prior art discloses an iris recognition camera and method comprising a driving barrel with lenses configured to serve as wide-angle lenses at all times, wherein the lenses are driven to a predetermined position for iris recognition when a user is detected and where position sensors detect the use and detect the position of the lenses in the driving barrel.

9. However, the prior art does not teach or fairly suggest where the camera and method as disclosed in the prior art comprises a single position sensor as claimed that is attached to a casing and configured to detect both the user and the position of the lenses in the driving barrel.

10. **Claims 2-4, 6-12 and 22-25** are allowable for at least the reasons that they depend from claim 1 or 20 which is allowable for the reasons discussed above.

11. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL M. PASIEWICZ whose telephone number is (571)272-5516. The examiner can normally be reached on M-F 9:00AM to 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on (571)272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sinh Tran/
Supervisory Patent Examiner, Art
Unit 2622

DMP
March 4, 2010